

**Work Order ID 55885**

February 3, 2010 3:07:41 PM

Page 1

**Item ID:** D4026-1

## Revision ID:

**Item Name:** Fuel Gauge

**Start Date:** 2/03/10      **Start Qty:** 2.00



**Cust Item ID:**

**Required Date:** 2/03/10      **Req'd Qty:** 2.00



## **Customer**

### **Reference:**

**Approvals:**      **Process Plan:**

*U*

Date:

Date:

Tooling

SPC (Y)

Date:

Date:

Ru

Stand



S1



Sto



Dart Aerospace Ltd

W/O: 55885

## WORK ORDER CHANGES

DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
10/02/08	110	tool are for HAI	RJ	10-02-08	1	u	

Part No: D4026-1 PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector	
			Initial Chief Eng	Action Description Chief Eng	Sign & Date				

NOTE: Date & initial all entries

**Work Order ID 55885**

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Item ID: D4026-1

Accept



Setup

Start



Stop



Revision ID:

Item Name: Fuel Gauge

Start Date: 2/03/10 Start Qty: 2.00



Cust Item ID:

Required Date: 2/03/10 Req'd Qty: 2.00



Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run

Start



Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/  
Work Center IDOperation  
Description

Identify as per dwg &amp; Stock Location:

GA

Set Up/  
Run HoursDraw  
NumberDraw  
Rev.Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

130



Packaging

Packaging

140



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

*SP 10/08/09 (2)*

POSITIVE RECALL  
EFFECTIVE 02/03 AUTH  
CLASSIFIED DATE 006.05  
QTY 2

00700FCB  
HA

10/08/09 AD

Use for 2

MP 10-8-9

# Picklist Print

February 3, 2010 3:07:40 PM

Page 1

Work Order ID: 55885



Parent Item: D4026-1



Parent Item Name: Fuel Gauge

Comments:

Start Date: 2/03/10

Start Qty: 2.00

Required Date: 2/03/10

Required Qty: 2.00

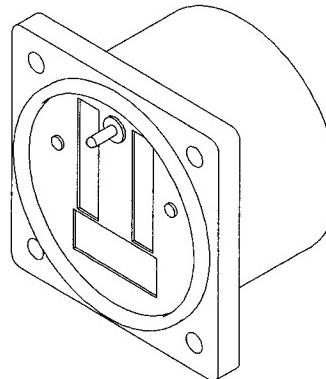
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
FL-100-R		Purchased		No			Each	0.0000	2.0000		MR 10-2-19	

Fuel Gauge



DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4026-1	FL-100-R-JCA

## SPECIFICATION CONTROL DRAWING



WJ  
55885

DART PART NUMBER	SUPPLIER	SUPPLIER PART NUMBER	OPERATING TEMPERATURE	POWER CONSUMPTION	SENSORS SUPPORTED	OPERATING VOLTAGE
D4026-1	AEROSPACE LOGIC INC.	FL-100-R	-15°C TO +55°C 5°F TO 131°F	450mA MAX (DAY OPERATION) 60mA MIN (NIGHT OPERATION)	RESISTIVE SENSORS OF ALL TYPES R <sub>MAX</sub> = 300 OHMS R <sub>MIN</sub> = 0 OHMS	6 - 32 VDC

### D4026-1 FUEL GAUGE

### PRELIMINARY ISSUE

10.01.19

- NOTES:**
- 1) MATERIAL: N/A
  - 2) FINISH: N/A
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: N/A
  - 7) WEIGHT: N/A

DESIGN DRAWN CHECKED MFG. APPR. APPROVED DE APPR. DATE	 10.01.19	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA DRAWING NO. <b>D4026</b> REV. PA1 SHEET 2 OF 2 TITLE <b>FUEL GAUGE</b> SCALE NTS DATE <b>10.01.19</b> <small>© DART AEROSPACE LTD 2010. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUBJECT TO THE EXCLUSIONS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>
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Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO11313

Purchase Order Date 2/03/10  
PO Print Date 2/03/10

Page Number 1 of 1

Order From :

VISA  
PAYMENT CENTRE, PO BOX 4016, STAT. A  
TORONTO,

VU-ROY001

Contact Name	Buyer	Chantal Lavoie
Vendor Phone	Requisition Nbr	
Vendor Fax	Tax Resale Nbr	10127-2607
Vendor Account Nbr	Terms	Net 30
	Currency	USD
	FOB	

Ship To : DART AEROSPACE LTD 1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Line Nbr	Reference Revision ID	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	FL-100-R	Fuel Gauge	2/03/10 Yes	2.00 Each	FedEx Overnight	\$485.0000	\$970.00

Special Inst: Manufactured P/N 10-00304

PO Total:

\$970.00

Aircraft Spruce

No substitution or deviation without  
consent.

Certificate of Conformity or Material  
Certification required when applicable

Change Nbr: 1

Change Date: 2/03/10

# AIRCRAFT SPRUCE & SPECIALTY CO.

P.O. BOX 4000 • 225 AIRPORT CIRCLE, CORONA, CA 92878-4000

AIRCRAFT SPRUCE WEST: CORONA, CA • AIRCRAFT SPRUCE EAST: PEACHTREE CITY, GA  
ADMINISTRATION (951) 372-9555 • FAX (951) 372-0555  
CALL TOLL FREE (877) 4-SPRUCE (877) 477-7823

SOLD TO  
333088  
DART AEROSPACE, LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

DATE: 02/02/10

PLEASE RETURN THIS PORTION  
WITH YOUR REMITTANCE

P.O. BOX 4000 • CORONA, CA 92878-4000

PAGE: 1 477675

CUST: 333088

AWB: 973551680010

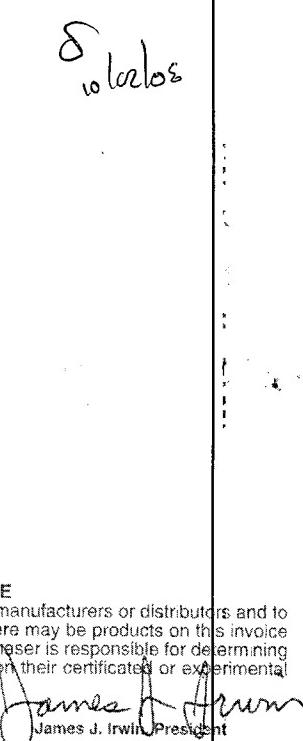
HLINDA LACELLE

P 1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

NOTE: ANY SHORTAGES MUST BE REPORTED WITHIN 10 DAYS.

BACKORDERED PRODUCTS WILL SHIP AS SOON AS AVAILABLE.

ORDER NO.	INVOICE NO.	CUSTOMER P.O. NO.	SHIP VIA	TERMS	DATE SHIPPED	
438634	477675	AUX TANK	FEDEX CANADA P	CREDIT CARD	02/02/10	
QUANTITY SHIPPED	BACK ORDERED	DESCRIPTION		DISC.	UNIT PRICE	EXTENSION
2.00		10-00304 AEROSPACE FUEL LEVEL FL-100-R COUNTRY OF ORIGIN USA THANK YOU FOR YOUR ORDER			485.000	970.00
 <b>CERTIFICATE OF CONFORMANCE</b> The products on this invoice have been obtained through authorized manufacturers or distributors and to the best of our knowledge fully meet all applicable specifications. There may be products on this invoice which are not approved for use on FAA type certificated aircraft. Purchaser is responsible for determining suitability of any part purchased from Aircraft Spruce for installation on their certificated or experimental aircraft. <i>James J. Irwin</i> James J. Irwin, President						
SUBTOTAL	TAX	MISC. CHARGE	FREIGHT	PAID WITH ORDER	BALANCE DUE	
970.00		0.00	55.96	-1,025.96	USD	0.00

**WAIVER OF LIABILITY AND INDEMNIFICATION AGREEMENT-**Inasmuch as Aircraft Spruce & Specialty Company has no opportunity to supervise the installation, or maintenance of parts supplied by it, nor any opportunity to participate in the design or manufacture of the products it sells or of the various homebuilt and certificated aircraft in which its parts are utilized, the purchaser, by placing this order with Aircraft Spruce & Specialty Company and accepting the parts, agrees that all materials purchased will be used solely at purchaser's risk and that the purchaser will indemnify and hold Aircraft Spruce & Specialty Company, its owners and employees, free and harmless from all loss, liability, and damage resulting from claims brought by reason of any alleged failure or defect of any parts or parts supplied by Aircraft Spruce & Specialty Company. If this agreement is unacceptable to purchaser, the purchaser will immediately return in new condition all products listed on this invoice to Aircraft Spruce for refund of purchase price.

When returning merchandise:

- Please call Customer Service for an RMA number.
- Write the RMA number on each package.
- Fill in the information below and enclose this form with the package.
- Insure and ship to: Aircraft Spruce West  
225 Airport Circle  
Corona, CA 92880  
Attn: Customer Return

**RETURN POLICY**

**PRODUCT WARRANTY**

In cooperation with the manufacturers we represent, Aircraft Spruce & Specialty Co. warrants for a period of one year (on most products) from the date of original purchase its products to be free from defects in material and workmanship. Aircraft Spruce & Specialty Co.'s obligation under this warranty is limited to repair or replacement of the purchased product only, and under no circumstances shall Aircraft Spruce & Specialty Co. be liable for any loss, damage, injury, cost of repair or consequential damages of any kind in connection with the sale, use or repair of any product purchased from Aircraft Spruce & Specialty Co.

Merchandise may be returned for credit or refund within 30 days from date of purchase if received in resaleable condition - packed in original manufacturer's box, complete with instructions and all components (if applicable). A copy of the original order showing purchase or information stating the invoice number and date of purchase with reason for return must accompany the article. Do not mail purchase information in letter form under separate cover. A 15% restocking charge may be applicable to all merchandise returned to cover costs involved in processing the return. Do not return any products C.O.D. as it cannot be accepted by our warehouse. All returns must be made to Aircraft Spruce West in Corona, CA. Call first for return authorization and instructions.

**RETURNED MERCHANDISE**

Item Number	Description	Price

If you have any questions about your order call Toll Free (877) 4-SPRUCE (877-477-7823)

**PLEASE SEND**

Item Number	Description	Price

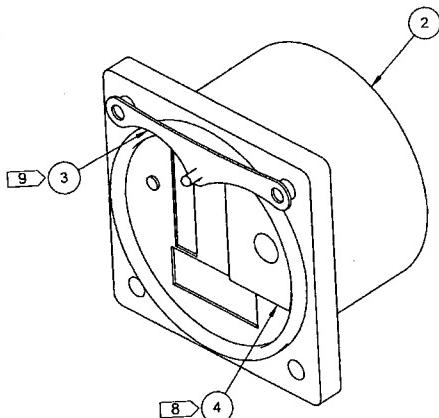
**Reason for Return - Please check appropriate box:**

- Wrong item Ordered    Quality Unsatisfactory    Arrived Late    Other  
 Defective    Not As Described    Wrong Item Sent    Core Credit

**NOTE: CREDIT CANNOT BE ISSUED WITHOUT DETAILS COMPLETED BELOW.**

DETAILS: \_\_\_\_\_

ITEM NO.	QTY. -041	PART NUMBER	DESCRIPTION	JOHN CAMERON AVIATION PART NUMBER
1	X	D4026-041	FUEL GAUGE ASSEMBLY	FL-100-R-JCA (REF)
2	1	D4026-1	FUEL GAUGE	
3	1	D4014-1	SWITCH PLATE	
4	1	D4014-3	GAUGE COVER	
5	A/R		DOUBLE SIDED TAPE	



D4026-041 FUEL GAUGE ASSEMBLY

55865

RELEASED  
R 2010-05-05  
MD

A	NEW ISSUE	REV.	BY	DATE
DESIGN	<i>BS</i>		DART AEROSPACE LTD	
DRAWN	<i>BS</i>		HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>BS</i>		DRAWING NO.	REV. A
MFG. APPR.	<i>BS</i>		D4026	SHEET 1 OF 2
APPROVED	<i>BS</i>		TITLE	SCALE
DE APPR.	<i>BS</i>		FUEL GAUGE	NTS
DATE	10.02.05		COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL. IT IS TO BE KEPT ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	

- NOTES:  
 1) MATERIAL: N/A  
 2) FINISH: N/A  
 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
 4) UNITS: INCHES UNLESS OTHERWISE NOTED  
 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4026-041" AND B/N USING FINE POINT PERMANENT INK MARKER  
 7) WEIGHT: 0.24 lbs  
 8) ATTACH D4014-3 GAUGE COVER USING DOUBLE SIDED TAPE  
 9) D4014-1 SWITCH COVER INCLUDED WITH ASSEMBLY, INSTALLED DURING GAUGE INSTALLATION IN AIRCRAFT

8

7

6

5

4

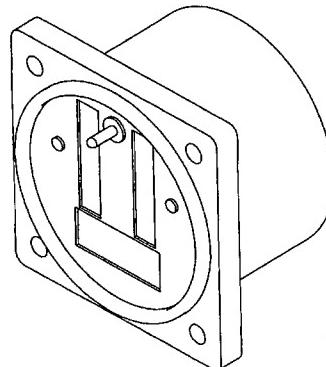
3

2

1

DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4026-1	FL-100-R-JCA

## SPECIFICATION CONTROL DRAWING



DART PART NUMBER	MANUFACTURER	MANUFACTURER PART NUMBER	POSSIBLE SUPPLIER	SUPPLIER PART NUMBER	OPERATING TEMPERATURE	POWER CONSUMPTION	SENSORS SUPPORTED	OPERATING VOLTAGE
D4026-1	AEROSPACE LOGIC INC.	FL-100-R	AIRCRAFT SPRUCE AND SPECIALTY	10-00304	-15°C TO +55°C 5°F TO 131°F	450 mA MAX (DAY OPERATION) 60mA MIN (NIGHT OPERATION)	RESISTIVE SENSORS OF ALL TYPES R <sub>MAX</sub> = 300 OHMS R <sub>MIN</sub> = 0 OHMS	6 - 32 VDC

D4026-1 FUEL GAUGE

55885  
RELEASED  
2010-05-05  
MP

- NOTES:  
 1) MATERIAL: N/A  
 2) FINISH: N/A  
 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
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 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
 6) IDENTIFICATION: N/A  
 7) WEIGHT: N/A

DESIGN	<i>BB</i>	DART AEROSPACE LTD
DRAWN	<i>BB</i>	HAWKESBURY, ONTARIO, CANADA
CHECKED	<i>BB</i>	REV. A
MFG. APPR.	<i>BB</i>	DRAWING NO.
APPROVED	<i>BB</i>	D4026
DE APPR.	<i>BB</i>	TITLE
DATE	10.02.05	SCALE
		NTS
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